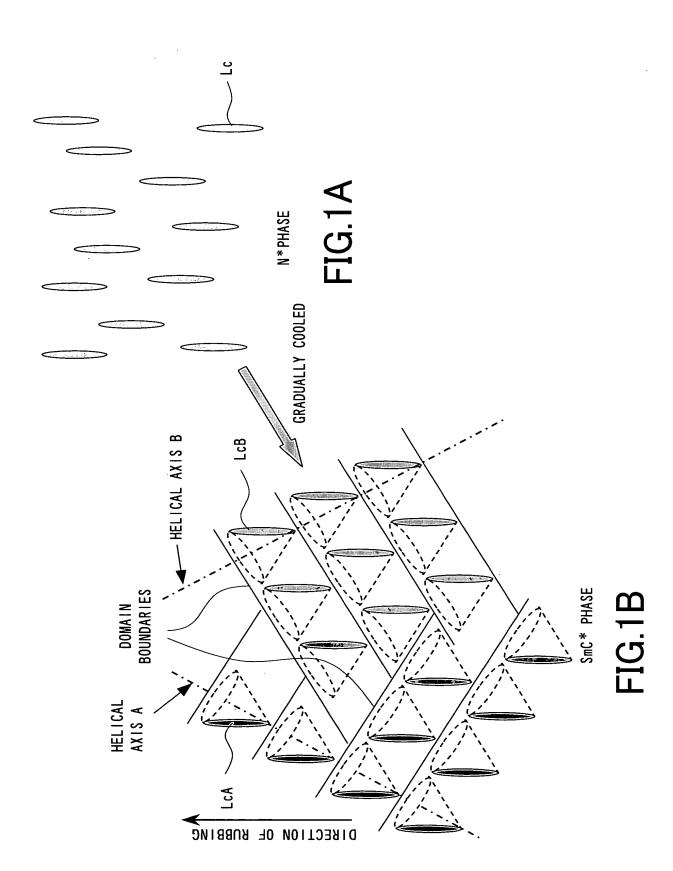
LIQUID CRYSTAL DISPLAY DEVICE... Oct. 3
Shingo Rataoka
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1324.68596
Sheet 1 of 6 (312) 360 0080

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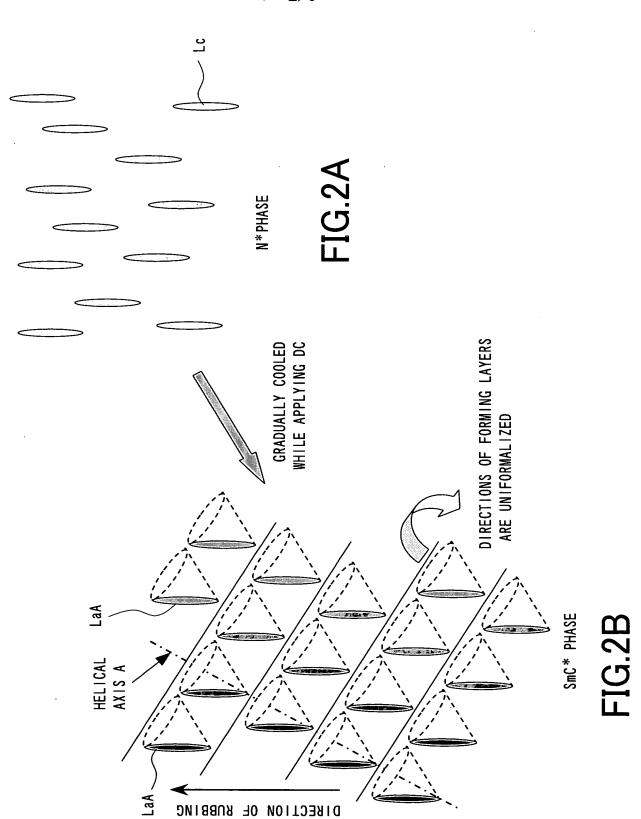
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Shingo Rataoka Greer, Burns & Crain, Ltd. Ref. No. 1324.68596 Sheet 2 of 6

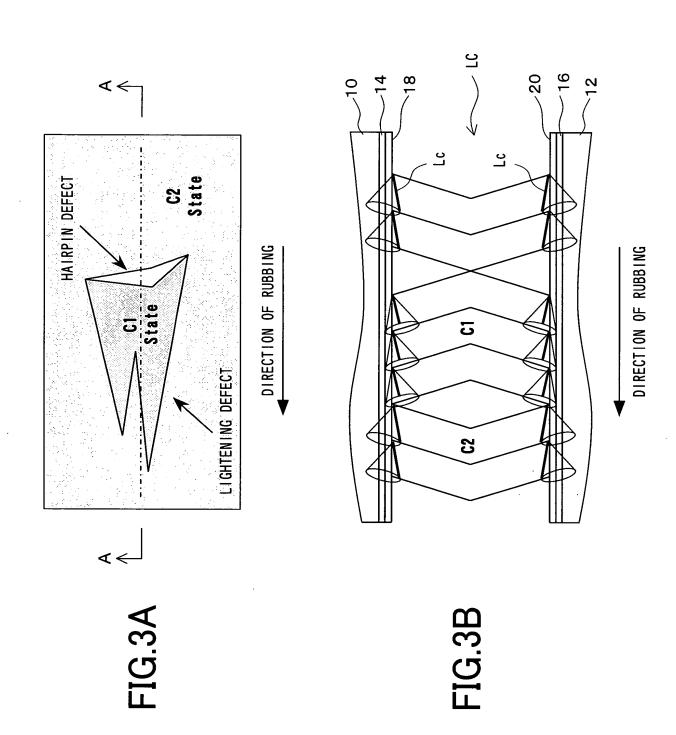
(312) 360 0080

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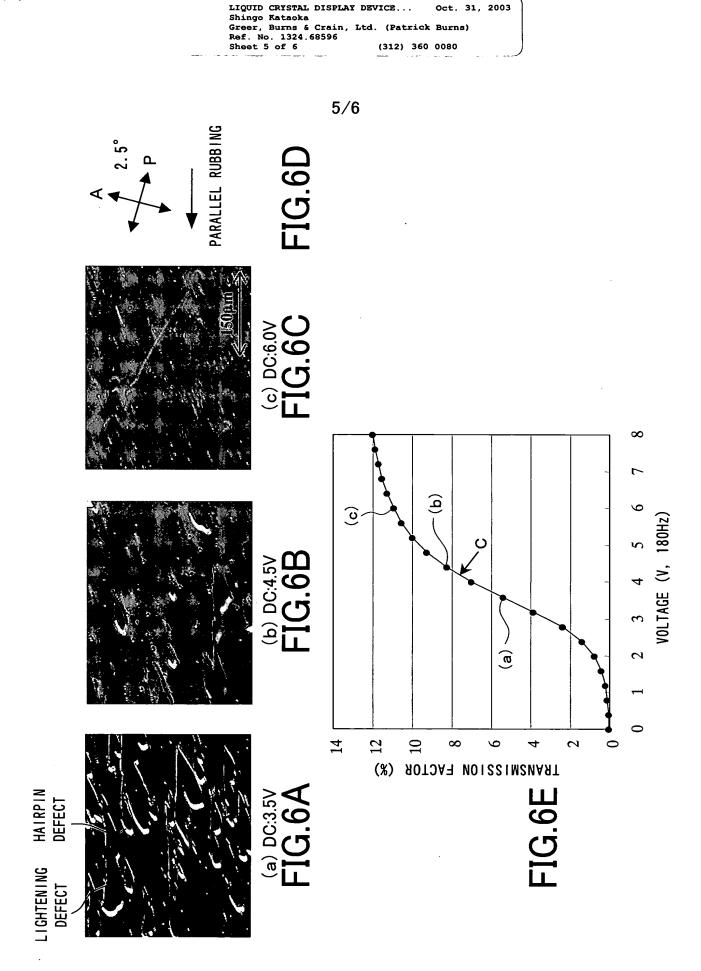
LIGHTENING DEFECT

LIQUID CRYSTAL DISTANCE
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ALIGNMENT FILM MATERIAL	LQ-1120-04	20-04	RN-1199	66
VOLTAGE (V)	3.5	0.7	3.5	7.0
BLACK TRANSMISSION FACTOR (%)	0.192	0.143	0.036	0.004
CONTRAST	53	69	314	2998

HAIRPIN DEFECT



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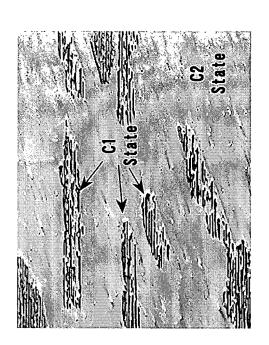


FIG.7B

SAMPLE B (LARGE AMOUNT OF ALKYL SIDE CHAINS)

FIG.7A

SAMPLE A (SMALL AMOUNT OF ALKYL SIDE CHAINS)